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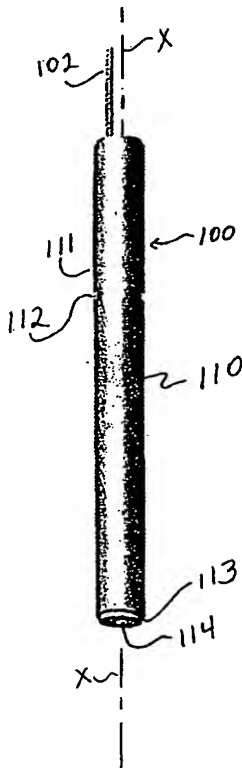
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(54) Title: **TIME DOMAIN RESOLVING CHEMICAL SAMPLER USING SORBENT MATERIAL**

(57) Abstract: A fluid sampling device is provided comprising an elongated housing having a longitudinal axis, a plurality of alternating sorbent units and spacer units disposed longitudinally through the housing and slidably movable therethrough along the longitudinal direction, and means for individually and sequentially exposing the sorbent units to a fluid. The adsorbed components can then be desorbed and analyzed to provide composition data of target compounds in a fluid, e.g., a gas, over a period of time.





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